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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 20 Nov 2003 (20031120/PD)
FILE LAST UPDATED: 20 Nov 2003 (20031120/ED)
HIGHEST GRANTED PATENT NUMBER: US6651253
HIGHEST APPLICATION PUBLICATION NUMBER: US2003217401
CA INDEXING IS CURRENT THROUGH 20 Nov 2003 (20031120/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 20 Nov 2003 (20031120/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003
>>> USPAT2 is now available. USPATFULL contains full text of the
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>>> original, i.e., the earliest published granted patents or
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>>> publications, starting in 2001, for the inventions covered in
                                                                       <<<
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                                                                       <<<
>>> publication date for all the US publications for an invention
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>>> Use USPATALL when searching terms such as patent assignees,
                                                                       <<<
>>> classifications, or claims, that may potentially change from
                                                                       <<<
>>> the earliest to the latest publication.
This file contains CAS Registry Numbers for easy and accurate
substance identification.
=> s 2R (w) hydroxy (6w) 3-chloro(4w)cyano (2w) phenoxy(2w)propyl (5w) dimethyl
(6w) methoxyphenyl (3w) ethyl (w) amine
         31488 2R
        206391 HYDROXY
       3613211 3
        126750 CHLORO
         27424 3-CHLORO
                 (3(W)CHLORO)
         76463 CYANO
         48880 PHENOXY
        180078 PROPYL
        225174 DIMETHYL
        37558 METHOXYPHENYL
        354697 ETHYL
        217500 AMINE
             0 2R (W) HYDROXY (6W) 3-CHLORO(4W)CYANO (2W) PHENOXY(2W)PROPYL
L1
               (5W) DIMETHYL (6W) METHOXYPHENYL (3W) ETHYL (W) AMINE
=> s 2R (w) hydroxy (6w) 3-chloro(3w)cyano (2w) phenoxy(3w)propyl (5w) dimethyl
(6w) methoxyphenyl (3w) ethyl (w) amine
         31488 2R
        206391 HYDROXY
       3613211 3
        126750 CHLORO
         27424 3-CHLORO
                 (3(W)CHLORO)
         76463 CYANO
         48880 PHENOXY
        180078 PROPYL
        225174 DIMETHYL
```

```
37558 METHOXYPHENYL
      354697 ETHYL
        217500 AMINE
             0 2R (W) HYDROXY (6W) 3-CHLORO(3W)CYANO (2W) PHENOXY(3W)PROPYL
T.2
               (5W) DIMETHYL (6W) METHOXYPHENYL (3W) ETHYL (W) AMINE
=> s 2-hydroxy and chloro and cyano and phenoxy(3w)propyl and dimethyl and
methoxyphenyl and ethyl (w) amine
       3629860 2
        206391 HYDROXY
         52530 2-HYDROXY
                 (2(W) HYDROXY)
        126750 CHLORO
         76463 CYANO
         48880 PHENOXY
        180078 PROPYL
          1451 PHENOXY (3W) PROPYL
        225174 DIMETHYL
         37558 METHOXYPHENYL
        354697 ETHYL
        217500 AMINE
          4900 ETHYL (W) AMINE
           128 2-HYDROXY AND CHLORO AND CYANO AND PHENOXY(3W) PROPYL AND DIMETHY
1.3
               L AND METHOXYPHENYL AND ETHYL (W) AMINE
=> s 13 and 3-chloro and 3-cyano
       3613211 3
        126750 CHLORO
         27424 3-CHLORO
                  (3(W)CHLORO)
       3613211 3
         76463 CYANO
          5859 3-CYANO
                  (3(W)CYANO)
            95 L3 AND 3-CHLORO AND 3-CYANO
L4
=> s 13 and 3-chloro and 2-cyano
       3613211 3
        126750 CHLORO
         27424 3-CHLORO
                  (3(W)CHLORO)
       3629860 2
         76463 CYANO
          9255 2-CYANO
                  (2(W)CYANO)
            27 L3 AND 3-CHLORO AND 2-CYANO
L_5
=> s 15 and 2-methoxyphenyl
       3629860 2
         37558 METHOXYPHENYL
          7783 2-METHOXYPHENYL
                  (2 (W) METHOXYPHENYL)
             6 L5 AND 2-METHOXYPHENYL
L6
=> d 16 1-6
L6
     ANSWER 1 OF 6 USPATFULL on STN
AN
       2003:47795 USPATFULL
TΙ
       Calcilytic compounds
       Del Mar, Eric G., Salt Lake City, UT, United States
IN
       Barmore, Robert M., Salt Lake City, UT, United States
       Sheehan, Derek, Salt Lake City, UT, United States
```

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Van Wagenen, Bradford C., Salt Lake City, UT, United States
       Callahan, James F., Philadelphia, PA, United States
       Keenan, Richard M., Malvern, PA, United States
       Kotecha, Nikesh R., Thurmaston, UNITED KINGDOM
       Lago, Maria Amparo, Audobon, PA, United States
       Southall, Linda Sue, West Chester, PA, United States
       Thompson, Mervyn, Harlow Essex, UNITED KINGDOM
       NPS Pharmaceuticals, Inc., Salt Lake City, UT, United States (U.S.
PA
       corporation)
       SmithKline Beecham, PLC, Brentford, UNITED KINGDOM (non-U.S.
       corporation)
       SmithKline Beecham, Corp., Philadelphia, PA, United States (U.S.
       corporation)
                               20030218
                          R1
PΙ
       US 6521667
      US 1998-132179
                               19980811 (9)
ΑI
       Division of Ser. No. US 1997-832984, filed on 4 Apr 1997, now patented,
RLI
       Pat. No. US 6022894 Continuation-in-part of Ser. No. US 1996-629608,
       filed on 9 Apr 1996, now abandoned
PRAI
       US 1996-32263P
                           19961203 (60)
DT
       Utility
       GRANTED
FS
LN.CNT 3269
       INCLM: 514/653.000
INCL
       INCLS: 514/351.000; 514/357.000; 514/411.000; 514/432.000; 514/524.000;
              514/603.000; 514/649.000; 514/652.000; 546/300.000; 546/329.000;
              548/444.000; 549/023.000; 558/422.000; 564/085.000; 564/086.000;
              564/341.000; 564/349.000; 564/350.000; 564/351.000; 564/355.000;
              564/365.000; 564/367.000; 564/374.000; 564/378.000; 564/382.000
NCL
       NCLM:
              514/653.000
              514/351.000; 514/357.000; 514/411.000; 514/432.000; 514/524.000;
       NCLS:
              514/603.000; 514/649.000; 514/652.000; 546/300.000; 546/329.000;
              548/444.000; 549/023.000; 558/422.000; 564/085.000; 564/086.000;
              564/341.000; 564/349.000; 564/350.000; 564/351.000; 564/355.000;
              564/365.000; 564/367.000; 564/374.000; 564/378.000; 564/382.000
IC
       [7]
       ICM: A01N033-02
       564/341; 564/349; 564/350; 564/351; 564/85; 564/86; 564/367; 564/355;
EXF
       564/363; 564/374; 564/378; 564/382; 558/422; 514/524; 514/603; 514/652;
       514/653; 514/649; 514/654
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 2 OF 6 USPATFULL on STN
L6
       2002:201853 USPATFULL
AN
       Calcilytic compounds
ΤI
       Del Mar, Eric G., Salt Lake City, UT, United States
IN
       Barmore, Robert M., Salt Lake City, UT, United States
       Sheehan, Derek, Salt Lake City, UT, United States
       Van Wagenen, Bradford C., Salt Lake City, UT, United States
       Callahan, James F., Philadelphia, PA, United States
       Keenan, Richard M., Malvern, PA, United States
       Kotecha, Nikesh R., Thurmaston, UNITED KINGDOM
       Lago, Maria Amparo, Audobon, PA, United States
       Southall, Linda Sue, West Chester, PA, United States
       Thompson, Mervyn, The Pinnacles, UNITED KINGDOM
       NPS Pharmaceuticals, Inc., Salt Lake City, UT, United States (U.S.
PA
       corporation)
       US 6432656
                               20020813
                          B1
PΙ
                               19990806 (9)
       US 1999-370097
ΑI
       Division of Ser. No. US 1997-832984, filed on 4 Apr 1997, now patented,
RLI
       Pat. No. US 6022894
                           19961203 (60)
PRAI
       US 1996-32263P
                           19970407 (60)
       US 1997-42949P
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DT
       Utility
       GRANTED
FS
LN.CNT 3139
       INCLM: 435/007.210
INCL
       INCLS: 424/009.200; 424/009.600; 435/040.500; 435/960.000; 436/501.000;
              436/519.000; 436/546.000; 436/811.000; 436/815.000
NCL
              435/007.210
       NCLM:
              424/009.200; 424/009.600; 435/040.500; 435/960.000; 436/501.000;
       NCLS:
              436/519.000; 436/546.000; 436/811.000; 436/815.000
IC
       [7]
       ICM: G01N033-554
       ICS: A61K049-00
       436/501; 436/811; 436/815; 436/546; 436/519; 435/7.21; 435/40.5;
EXF
       435/960; 424/9.2; 424/9.6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 3 OF 6 USPATFULL on STN
1.6
       2002:186297 USPATFULL
AN
TΙ
       Calcilytic compounds
       Del Mar, Eric G., Salt Lake City, UT, UNITED STATES
TN
       Barmore, Robert M., Salt Lake City, UT, UNITED STATES
       Sheehan, Derek, Salt Lake City, UT, UNITED STATES
       Van Wagenen, Bradford C., Salt Lake City, UT, UNITED STATES
       Callahan, James F., Philadelphia, PA, UNITED STATES
       Keenan, Richard M., Malvern, PA, UNITED STATES
       Kotecha, Nikesh R., Thurmaston, UNITED KINGDOM
       Lago, Maria Amparo, Audobon, PA, UNITED STATES
       Southall, Linda Sue, West Chester, PA, UNITED STATES
       Thompson, Mervyn, The Pinnacles, UNITED KINGDOM
       NPS Pharmaceuticals, Inc. (U.S. corporation)
PA
       US 2002099220
                          A1
                               20020725
PΙ
       US 2001-33001
                          A1
                                20011019 (10)
ΑT
       Division of Ser. No. US 1998-132179, filed on 11 Aug 1998, PENDING
RLI
       Continuation-in-part of Ser. No. US 1996-629608, filed on 9 Apr 1996,
       ABANDONED
       US 1996-32263P
                           19961203 (60)
PRAI
DT
       Utility
FS
       APPLICATION
LN.CNT 3048
       INCLM: 546/329.000
INCL
       INCLS: 560/038.000; 562/443.000; 564/164.000; 564/378.000
NCL
       NCLM:
              546/329.000
              560/038.000; 562/443.000; 564/164.000; 564/378.000
       NCLS:
IC
       [7]
       ICM: C07D213-26
       ICS: C07C237-48
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 4 OF 6 USPATFULL on STN
L6
       2001:163199 USPATFULL
AN
TI
       Calcilytic compounds
       Barmore, Robert M., Salt Lake City, UT, United States
IN
       Bhatnagar, Pradip Kumar, Exton, PA, United States
       Bryan, William M., Phoenixville, PA, United States
       Burgess, Joelle Lorraine, Phoenixville, PA, United States
       Callahan, James Francis, Philadelphia, PA, United States
       Calvo, Raul Rolando, Royersford, PA, United States
       Del Mar, Eric G., Salt Lake City, UT, United States
       Lago, Maria Amparo, Audubon, PA, United States
       Nguyen, Thomas The, King of Prussia, PA, United States
       Sheehan, Derek, Salt Lake City, UT, United States
       Smith, Robert Lawrence, Lansdale, PA, United States
```

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Southall, Linda Sue, West Chester, PA, United States
       Van Wagenen, Bradford C., Salt Lake City, UT, United States
       SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S.
PA
       corporation)
                          В1
                               20010925
PΙ
       US\6294531
       WO '9845255' 19981015
                               19991001 (9)
       US 1999-402310
ΑI
       WO 1998-US6928
                               19980408
                                19991001
                                         PCT 371 date
                                         PCT 102(e) date
                                19991001
       US 1997-42724P
                           19970408 (60)
PRAI
       US 1997-61327P
                           19971008 (60)
       US 1997-61329P
                           19971008 (60)
       US 1997-61330P
                           19971008 (60)
                           19971008 (60)
       US 1997-61333P
                           19971008 (60)
       US 1997-61331P
DT
       Utility
       GRANTED
FS
LN.CNT 3114
INCL
       INCLM: 514/227.500
       INCLS: 514/237.500; 514/239.500; 514/255.000; 514/330.000; 514/331.000;
              514/423.000; 514/424.000; 514/603.000; 514/619.000; 544/059.000;
              544/159.000; 544/162.000; 544/165.000; 544/383.000; 544/386.000;
              546/226.000; 546/232.000; 548/539.000; 548/542.000; 558/390.000;
              564/086.000
              514/227.500
NCL
       NCLM:
              514/237.500; 514/239.500; 514/255.010; 514/330.000; 514/331.000;
       NCLS:
              514/423.000; 514/424.000; 514/603.000; 514/619.000; 544/059.000;
              544/159.000; 544/162.000; 544/165.000; 544/383.000; 544/386.000;
              546/226.000; 546/232.000; 548/539.000; 548/542.000; 558/390.000;
              564/086.000
IC
       171
       ICM: C07C255-50
       ICS: C07C311-16; C07D295-26; C07D295-182
       564/220; 564/349; 564/86; 558/390; 544/59; 544/159; 544/162; 544/165;
EXF
       544/383; 544/386; 546/232; 546/226; 548/539; 548/542; 514/227.5;
       514/237.5; 514/239.5; 514/255; 514/330; 514/331; 514/423; 514/424;
       514/603; 514/619
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 5 OF 6 USPATFULL on STN
L6
AN
       2000:134884 USPATFULL
       Compounds enhancing antitumor activity of other cytotoxic agents
TТ
       Arnold, Lee Daniel, Quaker Hill, CT, United States
TN
       Coe, Jotham Wadsworth, Niantic, CT, United States
       Kaneko, Takushi, Guilford, CT, United States
       Moyer, Mikel Paul, Clinton, CT, United States
       Pfizer Inc, New York, NY, United States (U.S. corporation)
PA
       US 6130217
                                20001010
PΙ
                                19950920 (8)
       US 1995-513880
ΑI
       Continuation-in-part of Ser. No. US 40233
RLI
DT
       Utility
       Granted
FS
LN.CNT 3408
INCL
       INCLM: 514/253.000
       INCLS: 514/252.000; 514/318.000; 514/211.000; 514/321.000; 514/326.000;
              514/367.000; 514/278.000; 514/290.000; 514/319.000; 514/320.000;
              514/322.000; 514/323.000; 514/324.000; 544/364.000; 544/366.000;
              544/368.000; 544/370.000; 546/194.000; 546/198.000; 546/209.000;
              546/017.000; 546/101.000; 546/110.000; 546/202.000; 548/159.000;
              548/160.000; 548/165.000; 540/551.000
       NCLM: 514/253.100
NCL
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514/254.020; 514/254.060; 514/278.000; 514/290.000; 514/318.000;
              514/319.000; 514/320.000; 514/321.000; 514/322.000; 514/323.000;
              514/324.000; 514/326.000; 514/367.000; 540/551.000; 544/364.000;
              544/366.000; 544/368.000; 544/370.000; 546/017.000; 546/101.000;
              546/110.000; 546/194.000; 546/198.000; 546/202.000; 546/209.000;
              548/159.000; 548/160.000; 548/165.000
IC
       [7]
       ICM: A61K031-495
       ICS: C07D417-12; C07D417-14; C07D403-12
       544/364; 544/366; 544/368; 544/370; 514/252; 514/253
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 6 OF 6 USPATFULL on STN
L6
       2000:15670 USPATFULL
AN
       Method of using calcilytic compounds
ΤI
       Del Mar, Eric G., Salt Lake City, UT, United States
IN
       Barmore, Robert M., Salt Lake City, UT, United States
       Sheehan, Derek, Salt Lake City, UT, United States
       Van Wagenen, Bradford C., Salt Lake City, UT, United States
       Callahan, James F., Philadelphia, PA, United States
       Keenan, Richard M., Malvern, PA, United States
       Kotecha, Nikesh R., Thurmaston, United Kingdom
       Lago, Maria Amparo, Audobon, PA, United States
       Southall, Linda Sue, West Chester, PA, United States
       Thompson, Mervyn, Harlow Essex, United Kingdom
       NPS Pharmaceuticals, Inc., Salt Lake City, UT, United States (U.S.
PA
       corporation)
       SmithKline Beecham, Corp., Philadelphia, PA, United States (U.S.
       corporation)
       SmithKline Beecham, PLC, Brentford, United Kingdom (non-U.S.
       corporation)
       US 6022894
                               20000208
PΙ
       US 1997-832984
                               19970404 (8)
ΑI
       Continuation-in-part of Ser. No. US 1996-629608, filed on 9 Apr 1996,
RLI
       now abandoned which is a continuation-in-part of Ser. No. US 1996-32263,
       filed on 3 Dec 1996
       US 1996-32263P
                           19961203 (60)
PRAI
DT
       Utility
       Granted
FS
LN.CNT 3170
       INCLM: 514/524.000
INCL
       INCLS: 514/603.000; 514/651.000; 514/652.000; 514/654.000; 514/655.000;
              564/349.000; 564/350.000; 564/351.000
NCL
       NCLM:
              514/524.000
              514/603.000; 514/651.000; 514/652.000; 514/654.000; 514/655.000;
       NCLS:
              564/349.000; 564/350.000; 564/351.000
IC
       [6]
       ICM: A61K031-135
       564/349; 564/350; 564/351; 514/652; 514/524; 514/603; 514/651; 514/654;
EXF
       514/655
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.